

RB2

Laney
POWER TO THE MUSIC

USER MANUAL

IMPORTANT SAFETY INSTRUCTIONS

WARNING: When using electric products, basic cautions should always be followed, including the following.

1. Read all safety and operating instructions before using this product
2. The product should be powered by a three pin 'grounded' (or earthed) plug connected to a power socket with a grounded earth outlet.
3. All safety and operating instructions should be retained for future reference
4. Obey all cautions in the Operating instructions and on the back of the unit
5. All operating instructions should be followed
6. This product should not be used near water, i.e. a bathtub, sink, swimming pool, wet basement, etc.
7. This product should be located so that its position does not interfere with its proper ventilation. It should not be placed flat against a wall or placed in a built up enclosure that will impede the flow of cooling air.
8. This product should not be placed near a source of heat such as stove, radiator, or another heat producing amplifier.
9. Connect only to a power supply of the type marker on the unit adjacent to the power supply cord.
10. Never break off the ground pin on a power supply cord.
11. Power supply cords should always be handled carefully. Never walk or place equipment on power supply cords. Periodically check cords for cuts or signs of stress, especially at the plug and the point where the chord exits the unit.
12. The power supply cord should be unplugged when the unit is to be unused for long periods of time.
13. If this product is to be mounted in an equipment rack, rear support should be provided.
14. The user should allow easy access to any mains plug, mains coupler and mains switch used in conjunction with this unit thus making it readily operable.
15. Metal parts can be cleaned with a damp cloth. The vinyl covering used on some units can be cleaned with a damp cloth or ammonia based household cleaner if necessary.
Disconnect the unit from the power supply before cleaning.
16. Care should be taken so that objects do not fall and liquids are not spilled into the unit through any ventilation holes or openings. On no account place drinks on the unit.
17. A qualified service technician should check the unit if:
 - The power cord has been damaged
 - Anything has fallen or spilled into the unit
 - The unit does not appear to operate correctly
 - The unit has been dropped or the enclosure damaged.
18. The user should not attempt to service the equipment. All service work is done by a qualified service technician.
19. Exposure to extremely high noise levels may cause a permanent hearing gloss. Individuals vary considerably in susceptibility to noise induced hearing loss, but nearly everyone will lose some hearing if exposed to sufficiently intense noise for a sufficient time. The U.S. Government's Occupational Safety and Health Administration (OSHA) has specified the following permissible noise level exposure.

Duration Per Day In Hours	Sound Level dBA, slow response
8	90
6	92
4	95
3	97
2	100
1 ½	102
1	105
½	110
¼ or less	115

According to OSHA, any exposure in excess of the above permissible limits could result in some hearing loss. Ear plugs or protectors in the ear canals or over the ears must be worn when operating this amplification system in order to prevent a permanent hearing loss if exposure exceeds the limits set forth above. To ensure against potentially dangerous exposure to high sound pressure levels it is recommended that all persons exposed to equipment capable of producing high sound pressure levels such as this amplification system be protected by hearing protectors while this unit is in operation.

SAVE THESE INSTRUCTIONS



Intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient to constitute a risk of electrical shock to persons



Intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product

CAUTION: Risk of electrical shock - DO NOT OPEN

CAUTION: To reduce the risk of electrical shock, do not remove the cover. No user serviceable parts inside. Refer servicing to qualified service personnel.

WARNING: To prevent electrical shock or fire hazard, do not expose this appliance to rain or moisture. Before using this appliance please read the operating instructions for further warnings



Este simbolo tiene el propósito de alertar al usuario de la presencia de "(voltaje) peligroso" que no tiene aislamiento dentro de la caja del producto que puede tener una magnitud suficiente como para constituir riesgo de corrientazo



Este simbolo tiene el propósito de alertar al usuario de la presencia de instrucciones importantes sobre la operación y mantenimiento en la literatura que viene con el producto

PRECAUCION: Riesgo de corrientazo - no abra

PRECAUCION: Para disminuir el riesgo de corrientazo, no abra la cubierta. No hay piezas adentro que el pueda reparar. Deje todo mantenimiento a los técnicos calificados

ADVERTENCIA: Para evitar corrientazos o peligro de incendio, no deje expuesto a la lluvia o humedad este aparato. Antes de usar este aparato, lea mas advertias en la guia de operacion



Ce symbole est utilisé pour indiquer à l'utilisateur de ce produit de tension non-isolée dangereuse pouvant être d'intensité suffisante pour constituer un risque de choc électrique.



Ce symbole est utilisé pour indiquer à l'utilisateur qu'il ou qu'elle trouvera d'importantes instructions sur l'utilisation et l'entretien (service) de l'appareil dans la littérature accompagnant le produit

ATTENTION: Risques de choc électrique - NE PAS OUVIR!

ATTENTION: Afin de réduire le risque de choc électrique, ne pas enlever le couvercle. Il ne se trouve à l'intérieur aucune pièce pouvant être réparée par l'utilisateur. Confier l'entretien à un personnel qualifié.

AVERTISSEMENT: Afin de prévenir les risques de décharge électrique ou de feu, n'exposez pas cet appareil à la pluie ou à l'humidité. Avant d'utiliser cet appareil, lisez les avertissements supplémentaires situés dans le guide.



Dieses Symbol soll den Anwender vor unsolierten gefährlichen Spannungen innerhalb des Gehäuses warnen, die von ausreichender Stärke sind, um einen elektrischen Schlag verursachen zu können.



Dieses Symbol soll den Benutzer auf wichtige Instruktionen in der Bedienungsanleitung aufmerksam machen, die Handhabung und Wartung des Produkts betreffen.

VORSICHT: Risiko - Elektrischer Schlag! Nicht öffnen!

VORSICHT: Um das Risiko eines elektrischen Schlags zu vermeiden, nicht die Abdeckung entfernen. Es befinden sich keine Teile darin, die vom Anwender repariert werden könnten. Reparaturen nur von qualifiziertem Fachpersonal durchführen lassen

ACHTUNG

Um einen elektrischen Schlag oder Feuergefahr zu vermeiden, sollte dieses Gerät nicht dem Regen oder Feuchtigkeit ausgesetzt werden. Vor Inbetriebnahme unbedingt die Bedienungsanleitung lesen.

BEFORE SWITCHING ON

After unpacking your amplifier check that it is factory fitted with a three pin 'grounded' (or earthed) plug. Before plugging into the power supply ensure you are connecting to a grounded earth outlet.

If you should wish to change the factory fitted plug yourself, ensure that the wiring convention applicable to the country where the amplifier is to be used is strictly conformed to. As an example in the United Kingdom the cable colour code for connections are as follows.

EARTH OR GROUND - GREEN/YELLOW
NEUTRAL - BLUE
LIVE - BROWN



NOTE

This manual has been written for easy access of information. The front and rear panels are graphically illustrated, with each control and feature numbered. For a description of the function of each control feature, simply check the number with the explanations adjacent to each panel.

Your Laney amplifier has undergone a thorough two stage, pre-delivery inspection, involving actual play testing.

When you first receive your Laney Bass amp, follow these simple procedures:

- (i) Ensure that the amplifier is the correct voltage for the country it is to be used in.
- (ii) Connect your instrument with a high quality shielded instrument cable. You have probably spent considerable money on your amplifier and guitar - don't use poor quality cable it won't do your gear justice.

Please retain your original carton and packaging so in the unlikely event that some time in the future your amplifier should require servicing you will be able to return it to your dealer securely packed.

Care of your Laney amplifier will prolong its life....and yours!

Dear Player,

Thank you very much for purchasing your new Laney product and becoming part of the worldwide Laney family. Each and every Laney unit is designed and built with the utmost attention to care and detail, so I trust yours will give you many years of enjoyment.

Laney products have a heritage which stretches back to 1967 when I first began building valve amplifiers in my parent's garage. Since then we have moved on from strength to strength developing an extensive range of guitar, bass, public address and keyboard amplification products along with a list of Laney endorsees that includes some of the world's most famous and respected musicians. At the same time we believe we have not lost sight of the reason Laney was founded in the first place - a dedication to building great sounding amplification for working musicians.

Warm Regards,



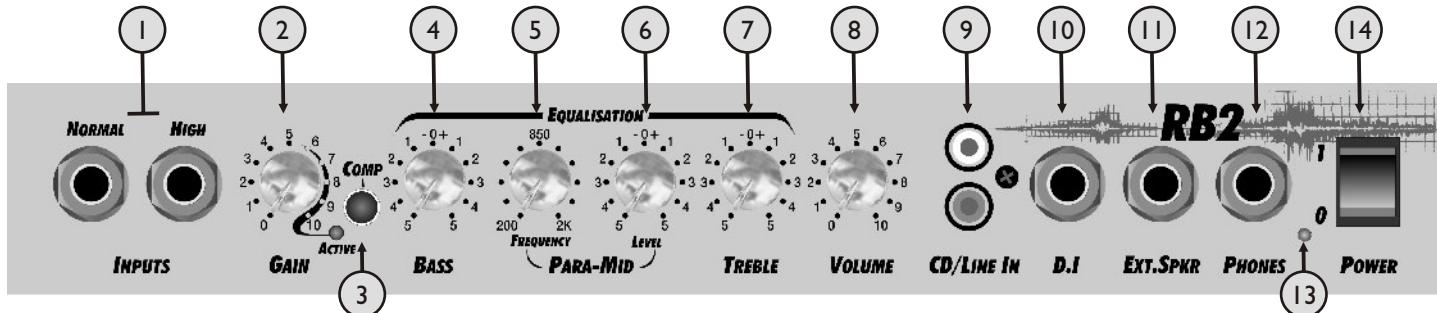
Lyndon Laney CEO

INTRODUCTION

The RB2 is a 30W bass combo with a 10 inch loudspeaker in a sturdy wooden cabinet. Its features include; two 1/4" jack inputs for Normal / Hi level signals, a gain control and a switchable compressor, a flexible EQ system with Bass, swept Mid and Treble control followed by an overall Volume. Should you need to play along to CDs/MP3s you can plug the output of your player into the CD/line in socket. A headphone socket is also provided for private practice, and an external speaker socket for connecting additional cabinets. A Direct out allows you to connect to a PA or recording device.

An explanation of these features follows on pages 6-8.

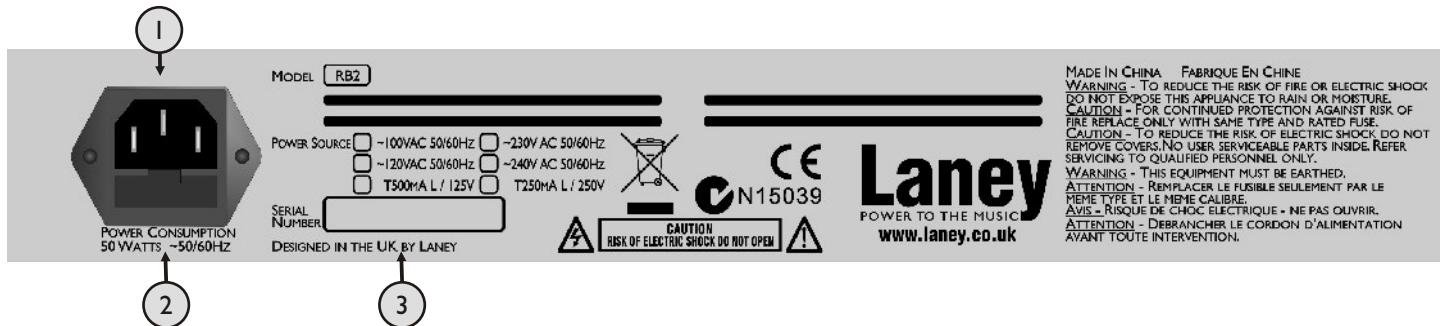




FRONT PANEL CONTROLS

- ① Normal and High inputs are provided for connection of bass guitars. High output basses, either Active or Passive should be connected via the High socket. Low output basses should be connected using the normal input. High output basses may also be placed in the Normal input if pre-amp overloading is desired.
- ② This control is used to set the level of gain present in the pre-amp. The higher the level of gain, the more the signal will clip producing distortion. The Gain control should be used in conjunction with the Volume control ⑩ to produce the desired signal characteristics.
- ③ Engages and disengages the on-board compressor, this compresses the input-signal giving a punchier sound. In association with the compressor is an LED indicating that the compressor is active. The amount of compression is controlled by the Gain control. The higher the setting the more compression. With most guitars compression will begin at about 5-6 on the control. It is possible to have the compressor engaged but it only be active during certain periods of playing - typically the most dynamic sections.
- ④ Controls the boost and cut of the low-frequency response of the pre-amplifier.
- ⑤ Selects the mid-frequencies (200Hz to 2KHz) to be cut or boosted in conjunction with the paramid level control ⑥

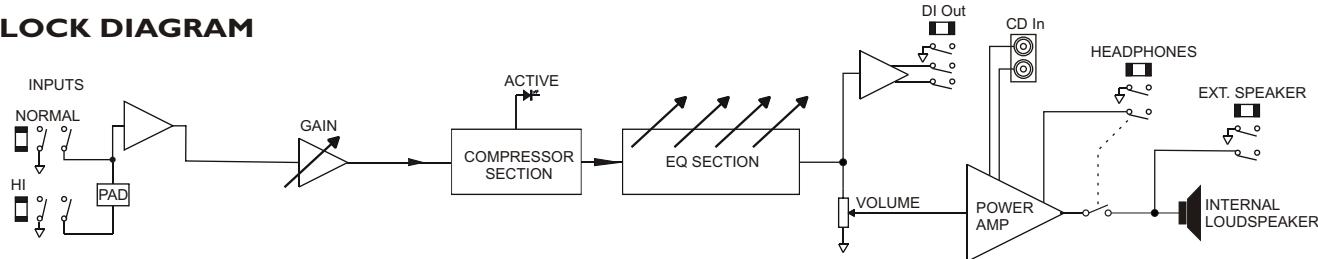
- (6) To access low mid-frequencies turn the frequency control anticlockwise, to access higher mid frequencies turn the frequency control clockwise.
- (7) Controls the boost and cut of the high-frequency response of the pre-amplifier.
- (8) Sets the overall listening level of the amplifier.
- (9) RCA/Phono connections provided for connecting an external sound source such as; CD players, MP3 players, Minidisc etc.
- (10) This socket provides a balanced low-impedance output-signal from the pre-amplifier taken before the Master Volume but after any tone correction, used for direct-injection of the amplifier signal to a mixing-desk or additional power-amplifier.
- (11) This socket(s) should be used to connect an external cabinet. The impedance of the extension-cabinet must not be less than 4 Ohms. Connecting cabinets that have a lower impedance than 4 Ohms will result in the amplifier overheating. Continual use in this manner may cause permanent damage. Connecting a cabinet with an impedance of greater than 4 Ohms will cause no damage to the amplifier but will result in a reduced output level. (When using an external cabinet the internal speaker is automatically disconnected)
- (12) Socket for connecting headphones. With headphones connected, the internal and any externally connected loudspeakers are automatically switched off.
- (13) Indicates power is connected and the amplifier is switched on.
(Always switch off and disconnect power cord when not in use)
- (14) Main power on/off switch.



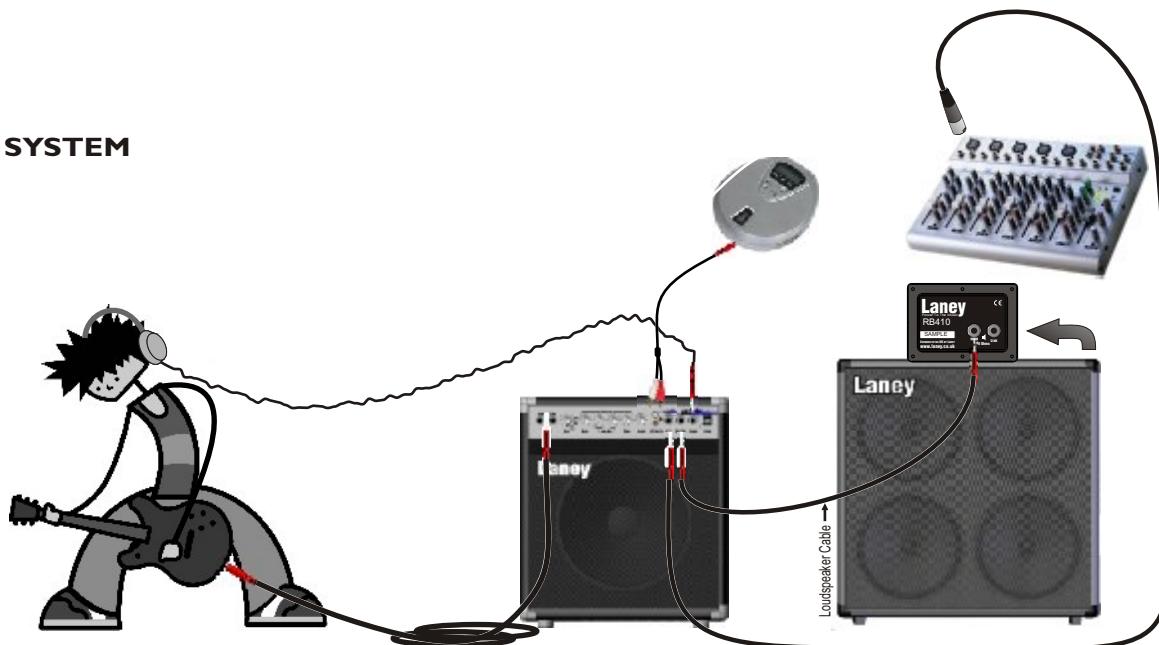
REAR PANEL CONTROLS

- 1 Power inlet socket. Connect to your power source. Make sure the specified voltage is correct for your country!
- 2 The mains safety fuse for the unit is contained within this drawer.
USE ONLY THE CORRECT SIZE AND RATING OF FUSE AS SPECIFIED ON THE PANEL.
The mains fuse ratings are detailed in the specs section at the rear of this manual.
- 3 Serial Number and model of your unit.

BLOCK DIAGRAM

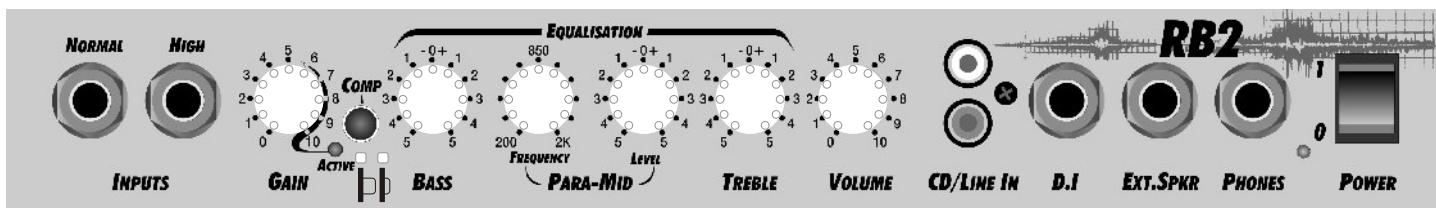
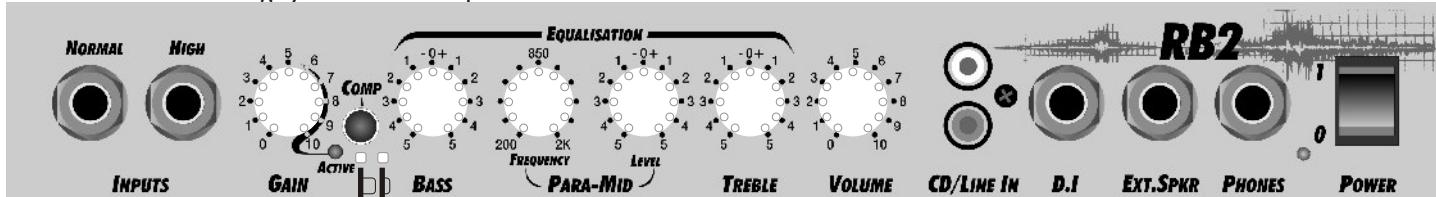


SAMPLE SYSTEM



USER SETTINGS

Found some cool settings you want to keep? Make a note of them here:



General Notes

Amplifier connection: In order to avoid damage, it is advisable to establish and follow a pattern for turning on and off your equipment. With all system parts connected, turn on source equipment, tape decks, cd players, mixers, effects processors etc. BEFORE turning on your Bass Amplifier. Many products have large transient surges at turn on and off which can cause damage to your speakers. By turning on your Bass Amplifier LAST and making sure its Volume control is set to minimum any transients from other equipment will not reach your loudspeakers. Wait until all system parts have stabilised; usually a couple of seconds. Similarly when turning off your system always turn down the Volume control on your Bass Amplifier and then turn off its power before turning off other equipment.

Cables: Never use shielded or microphone cable for any speaker connections as this will not be substantial enough to handle the amplifier load and could cause damage to your amplifier system.

Caution: These professional loudspeaker systems are capable of generating very high sound pressure levels. Use care with placement and operation to avoid exposure to excessive levels that can cause permanent hearing damage. (Refer to guidelines on page 2)

Servicing: The user should not attempt to service these products. Refer all servicing to qualified service personnel.

SPECIFICATIONS

Supply Voltage	~100V, ~120V, ~220V, ~230V, ~240V 50/60Hz Factory Option
Mains Fuse	~220V>~240V = T250mA L. ~100>~120V = T500mA L (Time delay)
Power Consumption	50W
Output Power Rating	30W
Loudspeaker	10" Custom Designed Driver
Features	Normal + Hi Inputs Switchable Compressor with Activity light. Clip distortion limiter.
EQ	Bass (±12dB at 65Hz, Shelving) Paramid (±12dB at 200Hz > 2KHz Peaking) Treble (±15dB at 3.5KHz, Shelving)
D.I.	Yes, Balanced Jack. (Can be used for Tuner)
Extension Loudspeaker Socket	(4 Ohms minimum, disconnects internal speaker)
Input Impedance	1M Ohm/100pF
Recommended Min Extension Speaker Power	80W
Recommended Richter Extension Cab	RB410 / RB115
Size	440*390*257 (H*W*D)
Unit Weight	11.75 Kg
Packing Weight	13 Kg

This product conforms to:

European EMC directive(2004/108/EC), Low Voltage Directive (72/23/EEC) and CE mark Directive (93/68/EEC)

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In the interest of continued product development, Laney reserves the right to amend product specification without prior notification.